



NATIONAL ASSESSMENT PROGRAM  
LITERACY AND NUMERACY

# NUMERACY

YEAR

3

2009

## TEST INSTRUCTIONS

1. You must do your own work.
2. Do not speak to other students during the test.
3. Raise your hand if you need to speak to the teacher.
4. Follow all directions given to you by the teacher.
5. All questions must be answered using the pencil you have been given. If you need to change an answer, carefully erase it and write another answer.
6. To confirm you have the correct booklet, print your name below.

Print your name here:

0:45

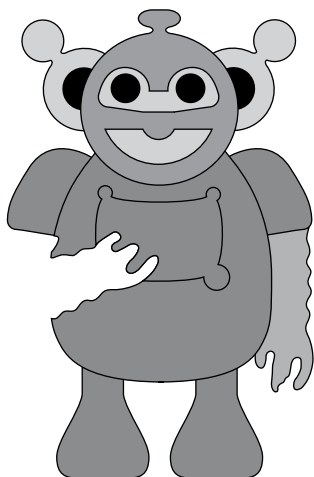
Time available for students  
to complete test: 45 minutes

Use 2B  
pencil **only**



## YEAR 3 NUMERACY

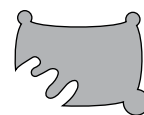
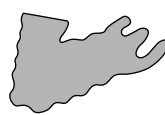
1



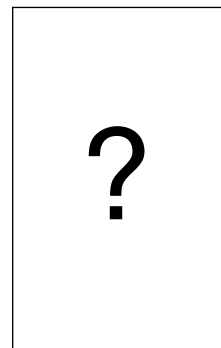
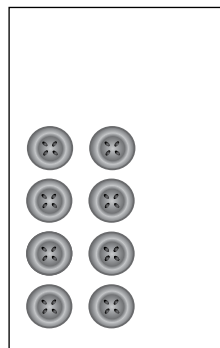
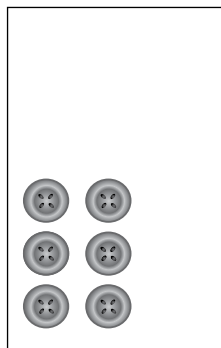
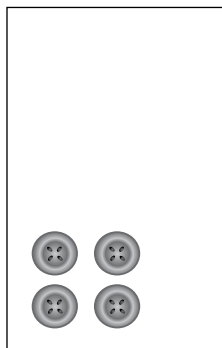
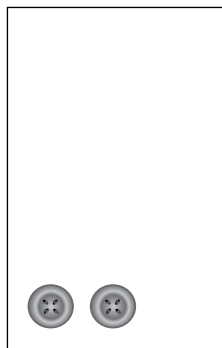
Shade one bubble.



Which piece is missing from this puzzle?



2



Polly is making a pattern.

How many buttons will be in the next box?

10



12



14



16



## YEAR 3 NUMERACY

- 3 This table shows the number of oranges sold during one week.

Shade one bubble.



ORANGES SOLD	
Day	Tally Marks
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

How many oranges were sold altogether on Saturday and Sunday?

8

☐

15

☐

20

☐

27

☐

4

5					
4					
3			☺		
2				▲	
1					
	A	B	C	D	E

Write your answer in the box.



The ☺ is at C3.

The ▲ is at

## YEAR 3 NUMERACY

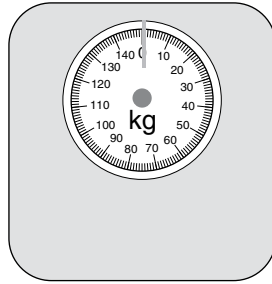
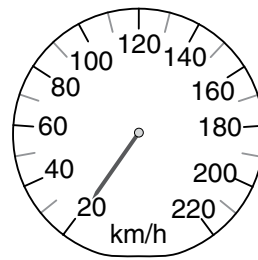
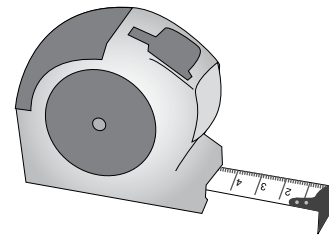
- 5 Write **four hundred and thirty-two** as a number.

Write your answer in the box.



- 6 Which of these is used to measure length?

Shade one bubble.

☐☐☐☐

- 7 Kate has 11 stickers and Lucy has 16.  
John has more stickers than Kate but not as many as Lucy.

How many stickers could John have?

8

☐

10

☐

13

☐

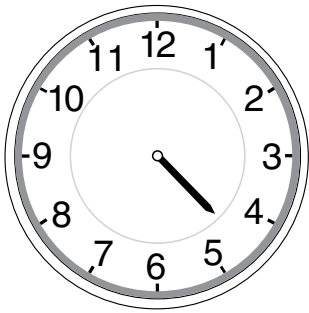
17

☐

## YEAR 3 NUMERACY

- 8 The minute hand is missing.

Shade one bubble.



What time could this clock be showing?

4 o'clock

☐

half past 4

☐

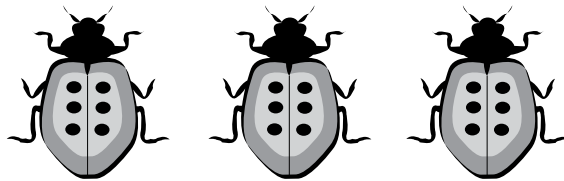
5 o'clock

☐

half past 5

☐

- 9 Each beetle has 6 spots.



Which of these shows one way to work out the total number of spots?

$$3 + 3 + 3$$

☐

$$6 + 3$$

☐

$$6 - 3$$

☐

$$6 + 6 + 6$$

☐

## YEAR 3 NUMERACY

10

$38 + 26 =$

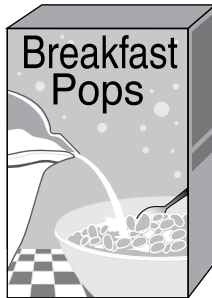
Write your answer  
in the box.



11

This 3D object is a

- ☐ cube.
- ☐ prism.
- ☐ cylinder.
- ☐ pyramid.



Shade one  
bubble.



12

OCTOBER						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

What date is the third Sunday on this calendar?

27 October

☐

20 October

☐

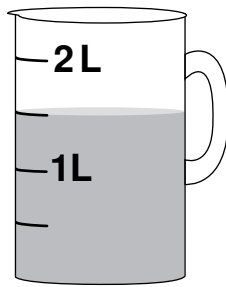
13 October

☐

6 October

☐

13



Shade one bubble.

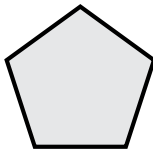


The amount of water in this jug is

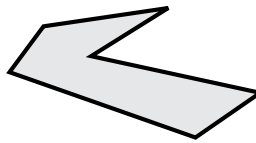
- ☐ half a litre.
- ☐ one litre.
- ☐ one and a half litres.
- ☐ two litres.

14

Which shape is a pentagon?



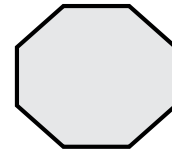
☐



☐



☐



☐

15

A box contains 6 red marbles, 10 blue marbles and 4 yellow marbles.

Which colour marble is **impossible** to take from the box?

red

☐

blue

☐

white

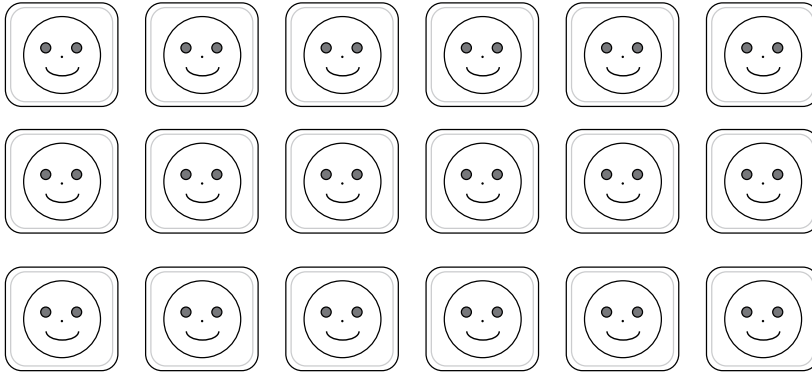
☐

yellow

☐

## YEAR 3 NUMERACY

16



Write your answer in the box.



Simon put half of these stickers in his book.

How many stickers did Simon put in his book?

17

46, 40, 34, ?

Shade one bubble.



What is the next number in this counting pattern?

26

☐

28

☐

30

☐

38

☐

18

6 groups of 5 pens is the same number of pens as 3 groups of

10

☐

6

☐

5

☐

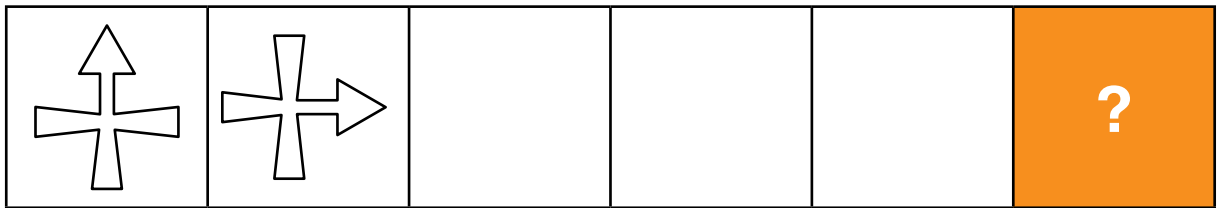
3

☐

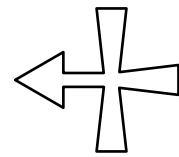
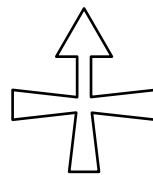
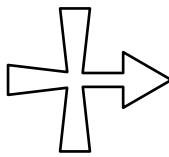
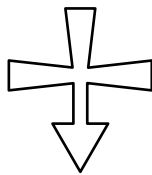
## YEAR 3 NUMERACY

- 19** Max is making a pattern by turning this shape a **quarter turn clockwise** in each box.

Shade one bubble.

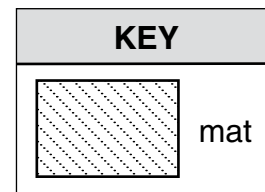
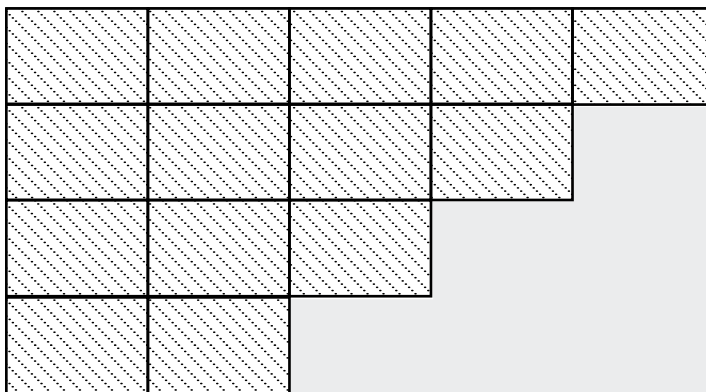


What will the shape in the last box look like?



- 20** Students start to cover the floor with mats.

Write your answer in the box.



Altogether, how many mats will cover the **whole** floor?

## YEAR 3 NUMERACY

21

BEAN BAG THROWS	
Name	Distance in metres
Peter	13
Ali	10
Sam	6
Ella	12
Jo	14

Shade one bubble.



What is the difference in metres between the longest and the shortest bean bag throws?

6

☐

7

☐

8

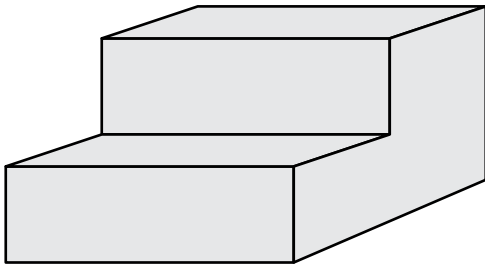
☐

9

☐

22

This is a solid 3D object.



How many faces does the object have?

5

☐

7

☐

8

☐

10

☐

## YEAR 3 NUMERACY

- 23** Look at this picture of a cone.

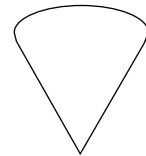
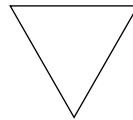
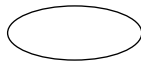
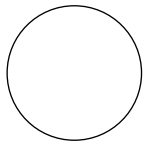
Shade one bubble.



Top view  
↓



Which one of these shows the top view?



- 24**  $43 - 27 =$

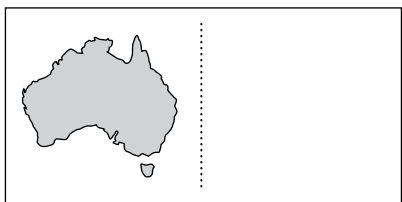
Write your answer in the box.



- 25**  $19 + 22$  has the same value as  $20 +$

# YEAR 3 NUMERACY

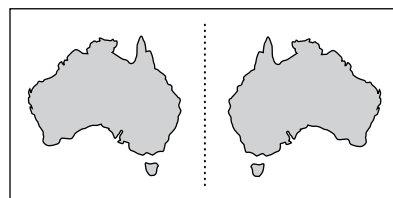
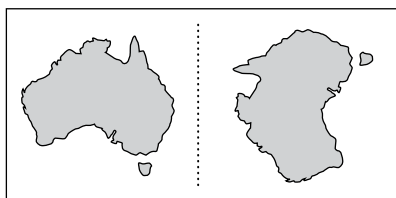
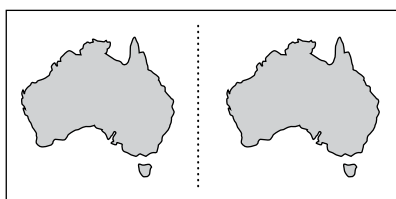
26



Shade one bubble.



Which shows the map of Australia flipped over the dotted line?



27

Which watch shows a quarter to nine?



## YEAR 3 NUMERACY

- 28** Lin is packing 34 cakes into boxes.  
Each full box holds 5 cakes.

Write your answer  
in the box.



What is the smallest number of boxes Lin needs  
to pack all the cakes?

- 29** Thomas needs 3 cups of flour to make a cake.

Shade one  
bubble.



He only measures  $\frac{1}{2}$  a cup at a time.

How many  $\frac{1}{2}$  cups of flour will he need?

1

☐

2

☐

3

☐

6

☐

- 30** Clare bought 3 kg of bananas.



About how much did Clare pay?

\$2

☐

\$3

☐

\$5

☐

\$6

☐

## YEAR 3 NUMERACY

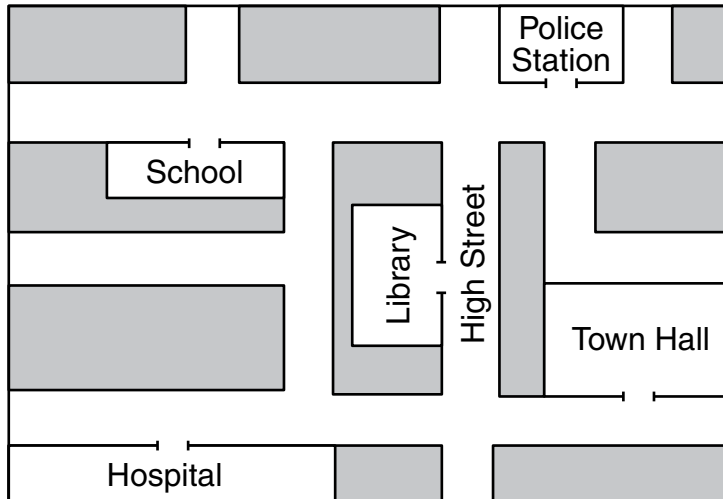
- 31** \$4 is shared equally among 5 girls.

How much does each girl get?

Write your answer  
in the box.



**32**



Shade one  
bubble.



Jenny leaves the Library and turns right into High Street.  
She then turns left at the next corner and walks straight ahead.

Which building does she pass?

School

Hospital

Police Station

Town Hall

☐☐☐☐

- 33** A movie runs for 115 minutes.

This is closest to

☐  $1 \frac{1}{4}$  hours.

☐  $1 \frac{1}{2}$  hours.

☐ 2 hours.

☐  $2 \frac{1}{4}$  hours.

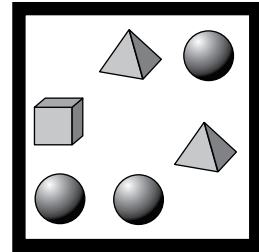
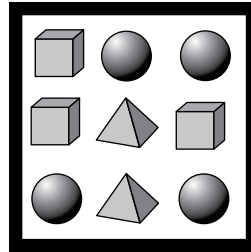
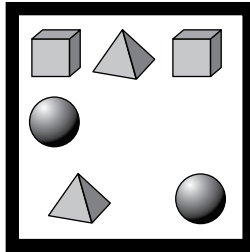
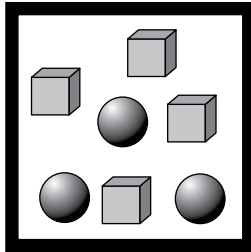
## YEAR 3 NUMERACY

- 34** Con takes an object from each box without looking.

Shade one bubble.

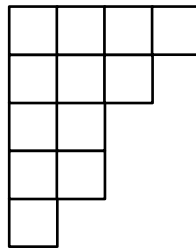
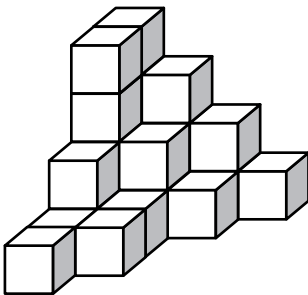


Which box gives Con the **best chance** of taking a ●?



- 35** Greg made this solid object by stacking cubes.

Write your answer in the box.



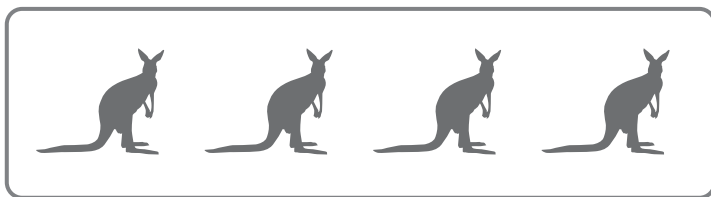
Top view

How many cubes are in Greg's object altogether?

**END OF TEST**

## PRACTICE QUESTIONS

P1



Shade one bubble.



How many kangaroos are shown on this card?

3

☐

4

☐

5

☐

6

☐

P2

$$7 + 3 =$$

Write your answer in the box.



P3

Dots	Number
•	1
• •	2
• • •	?

How many dots are in the last row of this table?